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Frank C. Eisenschek

Frank C. Eisenschek, Ph.D., Patent Attorney

1617 *Spel*
SUPPLEMENTAL INFORMATION
DISCLOSURE STATEMENT
Patent Application
Docket No. TPI-350C1
Serial No. 10/660,202

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Örn Almarsson, Magali Bourghol Hickey, Matthew L. Peterson, Michael J. Zaworotko, Brian Moulton, Nair Rodriguez-Hornedo
Serial No. : 10/660,202
Filed : September 11, 2003
For : Pharmaceutical Co-Crystal Compositions

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR §§1.97 AND 1.98

Sir:

In accordance with 37 CFR §§1.97 and 1.98, Applicants would like to bring to the attention of the Examiner, the references cited in the following patent applications:

U.S. Serial No. 10/378,956, filed March 3, 2003;
U.S. Serial No. 10/637,829, filed August 8, 2003;
U.S. Serial No. 10/295,995, filed November 18, 2002, now U.S. Patent No. 6,699,840;
U.S. Serial No. 10/232,589, filed September 3, 2002, now U.S. Patent No. 6,559,293;
U.S. Serial No. 10/449,307, filed March 30, 2003, now U.S. Patent No. 7,078,526; and
U.S. Serial No. 10/601,092, filed June 20, 2003.

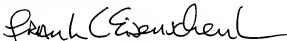
The subject application, Serial No. 10/660,202, claims the benefit under 35 USC §120 of the filing date of patent applications referred to above. Applicants respectfully request that the copies of references supplied in the Information Disclosure Statements of the application referred to above, as

well as any references cited during the prosecution thereof, be made of record in the 10/660,202 application. As copies of the references made of record in the applications referred to above, and cited on the attached form PTO/SB/08, can be found in the casefiles referred to above, copies of those references are not provided herewith.

It is respectfully requested that the references cited on the attached form PTO/SB/08 be considered in the examination of the subject application and that their consideration be made of record.

Applicants respectfully assert that the substantive provisions of 37 CFR §§1.97 and 1.98 are met by the foregoing statements.

Respectfully submitted,



Frank C. Eisenschenk, Ph.D.

Patent Attorney

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FCE/sl

Attachment: Form PTO/SB/08



PTO/SB/08A (08-03)
Approved for use through 07/31/2006. OMB 05-51-0331
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Complete if Known

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Application Number	10/660,202
Filing Date	September 11, 2003
First Named Inventor	Örn Almarsson
Art Unit	1617
Examiner Name	Leonard Williams
Attorney Docket Number	TPI-350C1

Sheet 1 of 36

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number - Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	U1	US-2,711,411	06-21-1955	Holbert, <i>et al.</i>	All
	U2	US-4,198,507	04-15-1980	Barry, <i>et al.</i>	All
	U3	US-4,368,197	01-11-1983	Shefter, <i>et al.</i>	All
	U4	US-4,994,604	02-19-1991	Tung, <i>et al.</i>	All
	U5	US-5,177,262	01-15-1993	Taylor, <i>et al.</i>	All
	U6	US-5,332,834	07-26-1994	Bhattacharya, <i>et al.</i>	All
	U7	US-5,338,644	08-16-1994	Taylor, <i>et al.</i>	All
	U8	US-5,380,867	01-10-1995	Bhattacharya, <i>et al.</i>	All
	U9	US-5,412,094	05-02-1995	Amos, <i>et al.</i>	All
	U10	US-5,523,090	06-04-1996	Znalden, <i>et al.</i>	All
	U11	US-5,614,342	03-25-1997	Molairé, <i>et al.</i>	All
	U12	US-5,998,413	12-07-1999	Heeres, <i>et al.</i>	All
	U13	US-6,001,996	12-14-1999	Amos, <i>et al.</i>	All
	U14	US-6,268,385	07-31-2001	Whittle, <i>et al.</i>	All
	U15	US-6,570,036	05-27-2003	Reuter	All
	U16	US-2003/0162226	08-28-2003	Cima, <i>et al.</i>	All
	U17	US-2003/0166581	09-04-2003	Almarsson, <i>et al.</i>	All
	U18	US-2003/0224006	12-04-2003	Zaworotko, <i>et al.</i>	All
	U19	US-2004/0019211	01-29-2004	Remenar, <i>et al.</i>	All
	U20	US-2004/0106052	06-03-2004	Molairé	All

Examiner Signature	/Renee Claytor/	Date Considered	09/15/2010
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard T.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /RC/

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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

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of

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Complete if Known

Application Number	10/660,202
Filing Date	September 11, 2003
First Named Inventor	Örn Almarsson
Art Unit	1617
Examiner Name	Leonard Williams
Attorney Docket Number	TPI-350C1

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number - Kind Code* (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	U21	US-2004/0106053	06-03-2004	Molairé, <i>et al.</i>	All
	U22	US-2004/0106055	06-03-2004	Molairé, <i>et al.</i>	All
	U23	US-2004/0171062	09-02-2004	Hirth, <i>et al.</i>	All
	U24	US-2004/0176335	09-09-2004	Childs	All
	U25	US-2005/0070551	03-31-1995	Remenar, <i>et al.</i>	All
	U26	US-2005/0181041	08-18-2005	Goldman	All
	U27	US-2005/0169982	08-04-2005	Almarsson, <i>et al.</i>	All
	U28	US-2005/0252649	11-17-2005	Chiu, <i>et al.</i>	All
	U29	US-2005/0256127	11-17-2005	Ku, <i>et al.</i>	All
	U30	US-6,559,293	05-06-2003	Almarsson, <i>et al.</i>	All
	U31	US-6,699,840	03-02-2004	Almarsson, <i>et al.</i>	All
	U32	US-2004-0053853	03-18-2004	Almarsson, <i>et al.</i>	All
	U33	US-2005/0070551 A1	03-31-2005	Remenar, <i>et al.</i>	All
	U34	US-2003/00224006	12-04-2003	Zaworotko, <i>et al.</i>	All
	U35	US-3,536,809	04-09-1991	Schaller, <i>et al.</i>	All
	U36	US-3,598,123	08-10-1971	Zaffaroni	All
	U37	US-3,845,770	11-05-1974	Theeuwes, <i>et al.</i>	All
	U38	US-3,916,899	11-04-1975	Theeuwes, <i>et al.</i>	All
	U39	US-4,008,719	02-22-1977	Theeuwes, <i>et al.</i>	All
	U40	US-4,267,179	05-12-1981	Heeres, <i>et al.</i>	All
	U41	US-4,764,604	08-16-1988	Muller	All

Examiner Signature	/Renee Claytor/	Date Considered	09/15/2010
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Substitute for form 1449A/PTO			Complete if Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Application Number	10/660,202	
			Filing Date	September 11, 2003	
			First Named Inventor	Örn Almarsson	
			Art Unit	1617	
			Examiner Name	Leonard Williams	
Sheet	3	of	36	Attorney Docket Number	TPI-350C1

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Patent or Relevant Figures Appear
		Number - Kind Code* (if known)			
	U42	US-4,916,134	04-10-1990	Heeres <i>et al.</i>	All
	U43	US-5,006,513	04-09-1991	Hector <i>et al.</i>	All
	U44	US-5,059,595	10-22-1991	Le Grazie	All
	U45	US-5,073,543	12-17-1991	Marshall <i>et al.</i>	All
	U46	US-5,120,548	06-09-1992	McClelland <i>et al.</i>	All
	U47	US-5,354,556	10-11-1994	Sparks <i>et al.</i>	All
	U48	US-5,414,997	05-16-1995	Tailer	All
	U49	US-5,474,997	12-12-1995	Gray <i>et al.</i>	All
	U50	US-5,591,767	01-07-1997	Mohr <i>et al.</i>	All
	U51	US-5,633,015	05-27-1997	Gilis <i>et al.</i>	All
	U52	US-5,639,476	06-17-1997	Oshlack <i>et al.</i>	All
	U53	US-5,661,151	08-26-1997	Saksena <i>et al.</i>	All
	U54	US-5,674,533	10-07-1997	Santus <i>et al.</i>	All
	U55	US-5,707,975	01-13-1998	Francois <i>et al.</i>	All
	U56	US-5,733,566	03-31-1998	Lewis	All
	U57	US-2003/0096014	05-22-2003	Sherman	All
	U58	US-4,513,006	04-23-1995	Maryanoff <i>et al.</i>	All
	U59	US-6,191,117	02-20-2001	Kozachuk	All
	U60	US-6,201,010	03-13-2001	Cottrell	All
	U61	US-5,753,693	05-19-1998	Shank	All

Examiner Signature	/Renee Claytor/	Date Considered	09/15/2010
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet

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of

36

Application Number

10/660,202

Filing Date

September 11, 2003

First Named Inventor

Örn Almarsson

Art Unit

1617

Examiner Name

Leonard Williams

Attorney Docket Number

TPI-350C1

U.S. PATENT DOCUMENTS

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		Number - Kind Code* (if known)			
	U62	US-5,998,380	12-07-1999	Ehrenberg <i>et al.</i>	All
	U63	US-6,319,903	11-20-2001	Carrazana <i>et al.</i>	All
	U64	US-5,935,933	06-10-1999	Shank <i>et al.</i>	All
	U65	US-5,760,007	06-02-1999	Shank <i>et al.</i>	All
	U66	US-5,952,187	09-14-1999	Stenglein <i>et al.</i>	All
	U67	US-5,242,942	09-07-1993	Costanzo <i>et al.</i>	All
	U68	US-5,384,327	01-24-1995	Costanzo <i>et al.</i>	All
	U69	US-6,071,537	06-06-2000	Shank	All
	U70	US-6,503,884	01-07-2003	Ehrenberg <i>et al.</i>	All
	U71	US-2003/0069190	04-10-2003	Abdel-Magid <i>et al.</i>	All
	U72	US-2002/0042446	04-11-2002	Dewey <i>et al.</i>	All
	U73	US-2002/0037925	03-28-2002	Dewey <i>et al.</i>	All
	U74	US-2003/0072802	04-17-2003	Cutler	All
	U75	US-6,488,962	12-03-2002	Berner <i>et al.</i>	All
	U76	US- 7,078,526	07-18-2006	Remenar <i>et al.</i>	All
	U77	US-6,294,192	9-25-2001	Patel <i>et al.</i>	All
	U78	US-5,466,823	11-14-1995	Talley <i>et al.</i>	All
	U79	US-4,008,321	02-15-1977	Kamishita <i>et al.</i>	All
	U80	US-4,853,379	08-01-1989	Shroot <i>et al.</i>	All
	U81	US-5,641,512	06-24-1997	Cimiluca	All

Examiner
Signature

/Renee Claytor/

Date

Considered

09/15/2010

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Sheet	5	of	36
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		Number - Kind Code* (if known)			
	U82	US-6,420,394 B1	07-16-2002	Supersaxo	All
	U83	US-2003/0224006 A1	12-04-2003	Zaworotko <i>et al.</i>	All
	U84	US-			
	U85	US-			
	U86	US-			
	U87	US-			
	U88	US-			
	U89	US-			
	U90	US-			
	U91	US-			
	U92	US-			
	U93	US-			
	U94	US-			
	U95	US-			
	U96	US-			
	U97	US-			
	U98	US-			
	U99	US-			
	U100	US-			
	U101	US-			

Examiner
Signature

/Renee Claytor/

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Sheet 6 of 36

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FOREIGN PATENT DOCUMENTS

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		Country Code ³ - Number ⁴ - Kind Code ⁶ (if known)				
	F1	EP 413528 B1	11-15-1995	Yu, R. et al.	All	
	F2	EP 1364649 A1	11-26-2003	Cilag AG	All	
	F3	WO 94/16733 A1	08-04-1994	Chiesi Farmaceutici S.P.A.	All	
	F4	WO 98/07331 A1	03-14-1996	Xyrofin Oy	All	
	F5	WO 98/57967 A1	12-23-1998	Dong-A Pharmaceutical Co., Ltd.	All	
	F6	WO 2000/53283 A1	09-14-2000	Reuter Chemische Apparatebau KG	All	
	F7	WO 2001/13904 A2	03-01-2001	Ortho-McNeil Pharmaceutical, Inc.	All	
	F8	JP 54-16494	02-07-1979	Yamanouchi Pharmaceutical Co., Ltd.	All	x
	F9	WO 00/50020 A2	08-31-2000	University of Cincinnati	All	
	F10	FR 769,586	06-11-1934	Chemische Fabrik von Heyden	All	x
	F11	IT 01303251	11-06-2000	Industriale Chimica, S.R.L.	All	x
	F12	WO 2001/97853 A1	12-27-2001	Biochemie Gesellschaft MBH	All	
	F13	EP 0310122 B1	04-05-1989	Kaken Pharma	All	
	F14	WO 2002/062318 A2	08-15-2002	DSM N.V.	All	
	F15	EP 0283992 B1	09-16-1992	Janssen Pharma	All	
	F16	WO 2003/101392 A2	12-11-2003	Transform Pharmaceuticals, Inc.	All	
	F17	WO 2004/054571 A1	07-01-2004	Cilag AG	All	
	F18	WO 2004/078161 A1 (CD-ROM)	09-16-2004	Transform Pharmaceuticals, Inc.	All	
	F19	WO 2004/078163 A2 (CD-ROM)	09-16-2004	Transform Pharmaceuticals, Inc.	All	

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Sheet 7 of 36

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Application Number	10/660,202
Filing Date	September 11, 2003
First Named Inventor	Örn Almarsson
Group Art Unit	1617
Examiner Name	Leonard Williams
Attorney Docket Number	TPI-350C1

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	†
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
	F20	WO 2004/089313 A2	10-21-2004	Transform Pharmaceuticals, Inc.	All	
	F21	WO 2005/023198 A2 (CD-ROM)	03-17-2005	Transform Pharmaceuticals, Inc.	All	
	F22	WO 2005/037424 A1	04-28-2005	Salvias AG	All	
	F23	WO 2005/055983 A2	06-23-2005	Medcrystalforms, LLC	All	
	F24	WO 2005/060958 A1 (CD-ROM)	07-07-2005	Sepracor, Inc.	All	
	F25	WO 2005/089375 A2 (CD-ROM)	09-29-2005	S.S.C.I., Inc.	All	
	F26	WO 2005/094804 A1	10-13-2005	The Regents of the University of Michigan	All	
	F27	WO 2006/024930 A1	03-09-2006	Pharmacia and Upjohn Co., LLC	All	
	F28	WO 03/070738 A2	08-28-2003	Transform Pharmaceuticals, Inc.	All	
	F29	WO 03/074474 A2	09-12-2003	Univ. South Fl	All	
	F30	WO 95/17407 A1	06-29-1995	Schering Corp	All	
	F31	WO 00/07583 A2	02-17-2000	Brookhaven Science Associates	All	
	F32	WO 00/72841 A1	12-07-2000	Berlant, Jeffrey	All	
	F33	WO 03 033462 A2	04-23-2003	Regents of Univ. Mich.	All	
	F34	WO 01 51919 A2	07-19-2001	Transform Pharm. Inc.	All	
	F35	WO 01 42222 A1	06-14-2001	Pharmacia Corp.	All	
	F36	WO 95/23596 A1	09-08-1995	The Boots Co.	All	
	F37	WO 00/32189 A1	06-08-2000	G. D. Searle & Co.	All	
	F38	WO 01/41760 A3	06-14-2001	Pharmacia Corporation	All	
	F39	WO 01/78724 A1	10/25/2001	Pharmacia Corporation	All	
	F40	WO 01/91750 A1	12/06/2001	Pharmacia Corporation	All	
	F41	WO 02/00627 A1	01/03/2002	Fako Ilacari A.S.	All	
	F42	IN 182620	12-24-1994	Bajaj et al.	All	

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			Application Number	10/660,202	
			Filing Date	September 11, 2003	
			First Named Inventor	Örn Almarsson	
			Group Art Unit	1617	
			Examiner Name	Leonard Williams	
			Attorney Docket Number	TPI-350C1	
Sheet	8	of	36		

NON PATENT LITERATURE DOCUMENTS			
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	R1	AAKERÖY, C. <i>et al.</i> "Crystal engineering of hydrogen-bonded assemblies- a progress report" <i>Aust. J. Chem.</i> , 2001, pp. 409-421, Vol. 54.	
	R2	BINGHAM, A. <i>et al.</i> "Over one hundred solvates of sulfathiazole" <i>Chem. Commun.</i> , 2001, pp. 603-604.	
	R3	BYRIEL, K., <i>et al.</i> "Molecular cocrystals of carboxylic acids. IX' Carboxylic acid interactions with organic heterocyclic bases. The crystal structures of the adducts of (2,4-dichlorophenoxy) acetic acid with 3-hydroxypyridine, 2,4,6-trinitrobenzoic acid with 2-aminopyrimidine, and 4-nitrobenzoic acid with 3-amino-1,2,4-triazole" <i>Aust. J. Chem.</i> , 1992, pp. 969-981, Vol. 45, No. 6.	
	R4	SALMON, J. <i>et al.</i> "Supramolecular chemistry of boronic acids (Abstract)" 38 th Midwest Regional Meeting of the American Chemical Society in Columbia, MO., November 5-7, 2003, published by the American Chemical Society, Washington, D.C.	
	R5	URBINA, J. <i>et al.</i> "Supramolecular design of inorganic/organic networks using flexible ligands with self-complementary hydrogen bonds (Abstract)" 38 th Midwest Regional Meeting of the American Chemical Society in Columbia, MO., November 5-7, 2003, published by the American Chemical Society, Washington, D.C.	

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Sheet 9 of 36

Application Number 10/660,202
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	R6	SMITH, D. <i>et al.</i> "Structure confirmation by single crystal X-ray diffraction of a series of new schiff bases and theoretical computations on 3-(N-2- α , α , α -trifluorotolylidene amino) tetrahydrothiophene-1, 1-dioxide (Abstract)" 216 th ACS National Meeting in Boston, MA., August 23-27, 1998, published by the American Chemical Society, Washington, D.C.	
	R7	DESIRAJU, G. "Supramolecular synthons in crystal engineering- A new organic synthesis" <i>Angew. Chem. Int. Ed. Engl.</i> , 1995, pp. 2311-2327, Vol. 34.	
	R8	FRITCHIE, C. <i>et al.</i> "The configuration of phenothiazine in various molecular complexes" <i>Chem. Commun.</i> , 1968, pp. 833-834.	
	R9	HUANG, C.-M. <i>et al.</i> "Molecular packing modes. Part XI. Crystal structures of the 2:1 complexes of benzamide with succinic acid and furamide with oxalic acid" <i>J. Chem. Soc. Perkins Trans. 2: Physical Organic Chemistry</i> , 1973, pp. 503-508, Vol. 5.	
	R10	JACKISCH, M. <i>et al.</i> "Structures of three related biphenyl compounds: 4,4'-biphenyldiol, 3, 3',5,5'-tetra- <i>tert</i> -butyl-4,4'-biphenyldiol, and 3,3',5,5'- tetra- <i>tert</i> -butyl-1,1'-bicyclohexa-2,5-dienylidene-4,4'-dione" <i>Acta Cryst.</i> , 1990, pp. 919-922, Vol. C46.	
	R11	KIM, S. <i>et al.</i> "The structure of a crystalline complex containing one phenobarbital molecule and two adenine derivatives" <i>Proc. Natl. Acad. Sci. USA</i> , 1968, pp. 402-408, Vol. 60.	
	R12	KOBAYASHI, H. <i>et al.</i> "Sinusoidal structure of the 1:1 complex of phenothiazine and 7,7,8-tetracyanoquinodimethane, PTZ-TCNQ" <i>Acta Cryst.</i> , 1974, pp. 1010-1017, Vol. B30.	
	R13	ERMER, O. <i>et al.</i> "Molecular recognition among alcohols and amines: super-tetrahedral crystal architectures of linear diphenol-diamine complexes and aminophenols" <i>J. Chem. Soc. Perkins Trans. 2</i> , 1994, pp. 925-944.	
	R14	MARTIN, R. <i>et al.</i> "Polyphenal-caffeine complexation" <i>J. Chem. Soc., Chem. Commun.</i> , 1986, pp. 105-106.	
	R15	LEHN, J.-M. <i>et al.</i> "Molecular recognition directed self-assembly of ordered supramolecular strands by cocrystallization of complementary molecular components" <i>Chem. Soc., Chem. Commun.</i> , 1990, pp. 479-481.	

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		Application Number 10/660,202 Filing Date September 11, 2003 First Named Inventor Örn Almarsson Group Art Unit 1617 Examiner Name Leonard Williams Attorney Docket Number TPI-350C1	
Sheet	10	of	36

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	R16	LYNCH, D. <i>et al.</i> "Molecular cocrystals of carboxylic acids. XV Preparation and characterization of heterocyclic base adducts with a series of carboxylic acids, and the crystal structures of the adducts of 2-aminopyrimidine with 2,6-dihydroxybenzoic acid, 4-aminobenzoic acid, phenoxyacetic acid, (2,4-dichlorophenoxy) acetic acid, (3,4-dichlorophenoxy)-acetic acid and salicylic acid, and 2-aminopyrimidine with 2,6-dihydroxybenzoic acid" <i>Aust. J. Chem.</i> , 1994, pp. 1097-1115, Vol. 47.	
	R17	MCINTOSH, J. <i>et al.</i> "Chemotherapeutic drugs in anaerobic infections of wounds" <i>The Lancet</i> , June 26, 1943, pp. 793-795.	
	R18	MCINTOSH, J. <i>et al.</i> "Zinc peroxide, proflavine and penicillin in experimental <i>cl. welchii</i> infections" <i>The Lancet</i> , December 26, 1942, pp. 750-752.	
	R19	SMITH, G. <i>et al.</i> "Molecular cocrystals of carboxylic acids. XXI The role of secondary group interactions in adduct formation between 2-aminopyrimidine and substituted benzoic acids: the crystal structures of the adducts with α -phthalic acid, α -nitrobenzoic acid, α -aminobenzoic acid and <i>m</i> -aminobenzoic acid" <i>Aust. J. Chem.</i> , 1995, pp. 1151-1166, Vol. 48.	
	R20	WEISSBUCH, I. <i>et al.</i> "Crystal morphology control with tailor-made additives; a stereochemical approach" <i>Advances in Crystal Growth Research</i> , 2001, pp. 381-400.	
	R21	MCMAHON, J. <i>et al.</i> "Crystal engineering of the composition of pharmaceutical phases. 3'. Primary amide supramolecular heterosynthons and their role in the design of pharmaceutical co-crystals" <i>Z. Kristallogr.</i> , 2005, pp. 340-350, Vol. 220.	
	R22	MEEJO, S. <i>et al.</i> "The interplay of aryl-perfluoroaryl stacking interactions and interstack hydrogen bonding in controlling the structure of a molecular cocrystal" <i>Chemphyschem</i> , 2003, pp. 766-769, Vol. 4.	
	R23	MIRMEHRABI, M. <i>et al.</i> "Improving the filterability and solid density of ranitidine hydrochloride form 1" <i>Journal of Pharmaceutical Sciences</i> , July 2004, pp. 1692-1700, Vol. 93, No. 7.	
	R24	MORRIS, K. <i>et al.</i> "Theoretical approaches to physical transformations of active pharmaceutical ingredients during manufacturing processes" <i>Advanced Drug Delivery Reviews</i> , 2001, pp. 91-114, Vol. 48.	

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36

Application Number

10/660,202

Filing Date

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First Named Inventor

Örn Almarsson

Group Art Unit

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Attorney Docket Number

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	R25	NAKANISHI, I. <i>et al.</i> "X-ray structural studies on two forms of β -cyclodextrin barbitol complexes" <i>Journal of Inclusion Phenomena</i> , 1984, pp. 689-699, Vol. 2.	
	R26	NAKAO, S. <i>et al.</i> "The crystal and molecular structure of the 2:1 molecular complex of theophylline with phenobarbital" <i>Acta Cryst.</i> , 1977, pp. 1373-1378, Vol. B33.	
	R27	NATARAJAN, S. <i>et al.</i> "Reinvestigation of the crystal structure of diglycine hydrochloride" <i>Zeitschrift für Kristallographie</i> , 1992, pp. 265-270, Vol. 198.	
	R28	OLENIK, B. <i>et al.</i> "Cooperative and anticooperative effects in the cocrystals of mono- and diazaphthalenes with <i>meso</i> -1, 2-diphenyl-1,2-ethanediol" <i>Crystal Growth & Design</i> , 2003, pp. 175-181, Vol. 3, No. 2.	
	R29	OLENIK, B. <i>et al.</i> "Supramolecular synthesis by cocrystallization of oxalic and fumaric acid with diazaphthalenes" <i>Crystal Growth & Design</i> , 2003, pp. 183-188, Vol. 3, No. 2.	
	R30	GROTH, P. "d-Glucose-sodium chloride-monohydrate (glucose-sodium chloride) = $2C_6H_{12}O_6 \cdot NaCl \cdot H_2O$ " <i>Chemische Kristallographie</i> , 1910, pp. 438-439.	X
	R31	OSWALD, I. <i>et al.</i> "Rationalization of co-crystal formation through knowledge-mining" <i>Crystallography Reviews</i> , 2004, pp. 57-66, Vol. 10, No. 1.	
	R32	OUYANG, X. <i>et al.</i> "Single-crystal-to-single-crystal topochemical polymerizations of a terminal diacetylene: two remarkable transformations give the same conjugated polymer" <i>J. Am. Chem. Soc.</i> , 2003, pp. 12400-12401, Vol. 125.	
	R33	PATEL, U. <i>et al.</i> "Structure of the 1:1 complex between 4-amino-N-(4,6-dimethyl-2-pyrimidinyl)-benzenesulfonamide (sulfadimidine) and 2-hydroxybenzoic acid (salicylic acid)" <i>Acta Cryst.</i> , 1988, pp. 1264-1267, Vol. C44.	
	R34	REDDY, L. <i>et al.</i> "Phenyl-perfluorophenyl synthon mediated cocrystallization of carboxylic acids and amides" <i>Crystal Growth & Design</i> , 2004, pp. 89-94, Vol. 4, No. 1.	
	R35	REMENAR, J. <i>et al.</i> "Crystal engineering of novel cocrystals of a triazole drug with 1,4-dicarboxylic acids" <i>J. Am. Chem. Soc.</i> , 2003, pp. 8456-8457, Vol. 125.	

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	R36	SCHMIDT, G. "Photodimerization in the solid state" <i>Pure Appl. Chem.</i> , 1971, pp. 647-678, Vol. 27.	
	R37	SHAN, N. <i>et al.</i> "Co-crystal of 4,7-phenanthroline and carboxylic acids: synthon competition and prediction" <i>Tetrahedron Letters</i> , 2002, pp. 8721-8725, Vol. 43.	
	R38	SHAN, N. <i>et al.</i> "Crystal engineering using 4,4'-bipyridyl with di- and tricarboxylic acids" <i>Crystal Engineering</i> , 2002, pp. 9-24, Vol. 5.	
	R39	SHAN, N. <i>et al.</i> "Supramolecular synthons in the co-crystal structures of 2-aminopyrimidine with diols and carboxylic acids" <i>Tetrahedron Letters</i> , 2002, pp. 3101-3104, Vol. 43.	
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		Filing Date	September 11, 2003
		First Named Inventor	Örn Almarsson
		Group Art Unit	1617
		Examiner Name	Leonard Williams
Sheet	13	of	36
		Attorney Docket Number	TPI-350C1

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article, (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	R46	STEINER, T. "Donor and acceptor strengths in C-H...O hydrogen bonds quantified from crystallographic data of small solvent molecules" <i>New. J. Chem.</i> , 1998, pp. 1099-1103.	
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Örn Almarsson

Group Art Unit

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Examiner Name

Leonard Williams

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	R56	TRASK, A. <i>et al.</i> "Crystal engineering of organic cocrystals by the solid-state grinding approach" <i>Top Curr. Chem.</i> , 2005, pp. 41-70, Vol. 254.	
	R57	TRASK, A. <i>et al.</i> "Pharmaceutical cocrystallization: engineering a remedy for caffeine hydration" <i>Crystal Growth & Design</i> , 2005, pp. 1013-1021, Vol. 5, No. 3.	
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	R59	TROWBRIDGE, L. <i>et al.</i> "Composites for nonlinear optics: Crystal growth and polymorphism" <i>University of Sussex, Falmer Brighton UK, School of Chemistry and Molecular Sciences</i> , pp. 272. 1994	
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First Named Inventor

Örn Almarsson

Group Art Unit

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Leonard Williams

Attorney Docket Number

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	R69	STEZOWSKI, J. J. <i>et al.</i> "Characterization of a 1:1 complex of an unusual structure in the phenothiazine/phenazine binary phase diagram" <i>Zeitschrift für Kristallographie in International Journal for Structural, Physical, Chemical Aspects of Crystalline Materials</i> , 1983, pp. 213-215, Vol. 162, No. 1-4.	X
	R70	WANG, A. <i>et al.</i> "Crystal structure of 1:1 complex of barbitol with 1-methylimidazole" <i>Journal of Pharmaceutical Sciences</i> , March 1979, pp. 361-363, Vol. 68, No. 3.	
	R71	ALBEROLA, S. <i>et al.</i> "Crystalline and Molecular Structure of Sulfanilimide-Antipyrine" <i>Acta Cryst.</i> , 1977, pp. 3337-3341, Vol. B33.	X
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			First Named Inventor	Örn Almarsson	
			Group Art Unit	1617	
			Examiner Name	Leonard Williams	
Sheet	16	of	36	Attorney Docket Number	TPI-350C1

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	R78	ZERKOWSKI, J. <i>et al.</i> "Investigations into the robustness of secondary and tertiary architecture of hydrogen-bonded crystalline tapes" <i>Chem. Mater.</i> , 1994, pp. 1250-1257, Vol. 6.	
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	R80	ZERKOWSKI, J. <i>et al.</i> "Polymorphic packing arrangements in a class of engineered organic crystals" <i>Chem. Mater.</i> , 1997, pp. 1933-1941, Vol. 9.	
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	R99	AAKERÖY, C. <i>et al.</i> "Hydrogen-bonding in solids" <i>Crystal Engineering</i> (ed. by Seddon, K. R. <i>et al.</i>), 1999, pp. 303-324, Kluwer Academic Publishers, The Netherlands.	
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		Application Number	10/660,202
		Filing Date	September 11, 2003
		First Named Inventor	Örn Almarsson
		Group Art Unit	1617
		Examiner Name	Leonard Williams
		Attorney Docket Number	TPI-350C1
Sheet	18	of	36

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article, (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	R100	AAKERÖY, C. <i>et al.</i> "Low-dimensional architectures of silver coordination compounds assembled via amide-amide hydrogen bonds" <i>Crystal Engineering</i> , 1998, pp. 39-49, Vol. 1, No. 1.	
	R101	AAKERÖY, C. <i>et al.</i> "Molecular mechanics and crystal engineering" <i>Crystal Engineering</i> (ed. by Seddon, K. R. <i>et al.</i>), 1999, pp. 69-82, Kluwer Academic Publishers, The Netherlands.	
	R102	AAKERÖY, C. <i>et al.</i> "New building blocks for crystal engineering. Syntheses and crystal structures of oxime-substituted pyridines" <i>Cryst. Eng. Comm.</i> , 2000, pp. 1-6, Vol. 27.	
	R103	AAKERÖY, C. <i>et al.</i> "Novel colorless composite materials for nonlinear optics" <i>Adv. Mater.</i> , 1993, pp. 364-367, Vol. 5, No. 5.	
	R104	AAKERÖY, C. <i>et al.</i> "Organic assemblies of 2-pyridones with dicarboxylic acids" <i>Tetrahedron</i> , 2000, pp. 6693-6699, Vol. 56.	
	R105	AAKERÖY, C. <i>et al.</i> "Pitfalls in the supramolecular assembly of silver(I) coordination compounds" <i>Journal of Molecular Structure</i> , 1999, pp. 91-101, Vol. 474.	
	R106	AAKERÖY, C. <i>et al.</i> "A structural study of 2-amino-5-nitropyridine and 2-amino-3-nitropyridine: intermolecular forces and polymorphism" <i>J. Mater. Chem.</i> , 1998, pp. 1385-1389, Vol. 8, No. 6.	
	R107	AAKERÖY, C. <i>et al.</i> "Supramolecular assembly of low-dimensional silver (I) architectures via amide-amide hydrogen bonds" <i>Chem. Commun.</i> , 1998, pp. 1067-1068.	
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	R109	AAKERÖY, C. <i>et al.</i> "Two-fold interpenetration of 3-D nets assembled via three-co-ordinate silver(I) ions and amide-amide hydrogen bonds" <i>J. Chem. Soc., Dalton Trans.</i> , 1998, pp. 1943-1945.	
	R110	AHN, S. <i>et al.</i> "Polymorphs of a 1:1 cocrystal with tunnel and layer structures: <i>p,p'</i> -biphenol/dimethyl sulfoxide" <i>Crystal Growth & Design</i> , 2001, pp. 107-111, Vol. 1, No. 2.	
Examiner Signature	/Renee Clayton/		Date Considered 09/15/2010

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First Named Inventor	Örn Almarsson
Group Art Unit	1617
Examiner Name	Leonard Williams
Attorney Docket Number	TPI-350C1

Sheet 19 of 36

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	R111	AKAZOME, M. <i>et al.</i> "Enantioselective inclusion of methyl phenyl sulfoxides and benzyl methyl sulfoxides by (R)-phenylglycyl-(R)-phenylglycine and the crystal structures of the inclusion cavities" <i>J. Org. Chem.</i> , 2000, pp. 68-76, Vol. 65.	
	R112	AKHTARUZZAMAN, M.D. <i>et al.</i> "One-dimensional hydrogen-bonded molecular tapes in 1, 4-bis[(4-pyridinio) ethynyl]benzene chloranilate" <i>Acta. Cryst.</i> , 2001, pp. o353-o355, Vol. E57.	
	R113	ALLEN, F. <i>et al.</i> "Systematic analysis of structural data as a research technique in organic chemistry" <i>Acc. Chem. Res.</i> , 1983, pp. 146-153, Vol. 16.	
	R114	ALMARSSON, Ö. <i>et al.</i> "Crystal engineering of the composition of pharmaceutical phases. Do pharmaceutical co-crystals represent a new path to improved medicines?" <i>Chem. Commun.</i> , 2004, pp. 1889-1896.	
	R115	AMAI, M. <i>et al.</i> "1:1 complex of octadecanoic acid and 3-pyridinecarboxamide" <i>Acta Cryst.</i> , 1998, pp. 1367-1369, Vol. C54.	
	R116	ANDERSON, N. <i>et al.</i> "Sulfonation with inversion by mitsunobu reaction: an improvement on the original conditions" <i>J. Org. Chem.</i> , 1996, pp. 7955-7958, Vol. 61.	
	R117	AOKI, K. <i>et al.</i> "A 1:1 complex of theophylline and p-nitrophenol" <i>Acta Cryst.</i> , 1978, pp. 2333-2336, Vol. B34.	
	R118	ASHTON, P. <i>et al.</i> "Combining different hydrogen-bonding motifs to self-assemble interwoven superstructures" <i>Chem. Eur. J.</i> , 1998, pp. 577-589, Vol. 4, No. 4.	
	R119	BARKER, P. A. <i>et al.</i> "Effect of crystallization temperature on the cocrystallization temperature on the cocrystallization of hydroxybutyrate/ hydroxyvalerate copolymers" <i>Polymer</i> , pp. 913-919, Vol. 38, No. 4.	
	R120	BERKOVITCH-YELLIN, Z. <i>et al.</i> "Electron density distribution in cumulenes: an x-ray study of the complex allenedicarboxylic acid- acetamide (1:1) at -150°C" <i>Acta Cryst.</i> , 1977, pp. 3670-3677, Vol. B33.	
	R121	BERKOVITCH-YELLIN, Z. <i>et al.</i> "The role played by C-H...O and C-H...N interactions in determining molecular packing and conformation" <i>Acta Cryst.</i> , 1984, pp. 159-165, Vol. B40.	
	R122	BERL, V. <i>et al.</i> "Induced fit selection of a barbiturate receptor from a dynamic structural and conformational/configurational library" <i>Eur. J. Org. Chem.</i> , 1999, pp. 3089-3094.	
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STATEMENT BY APPLICANT**

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Sheet 20 of 36

Application Number	10/660,202
Filing Date	September 11, 2003
First Named Inventor	Örn Almarsson
Group Art Unit	1617
Examiner Name	Leonard Williams
Attorney Docket Number	TPI-350C1

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	R123	BERTOLASI, V. et al. "Competition between hydrogen bonding and donor-acceptor interactions in co-crystals of 1,3-dimethylbarbituric acid with aromatic amines" <i>New J. Chem.</i> , 2001, pp. 408-415, Vol. 25.	
	R124	BERTOLASI, V. et al. "General rules for the packing of hydrogen-bonded crystals as derived from the analysis of squaric acid anions: aminoaromatic nitrogen base co-crystals" <i>Acta Cryst.</i> , 2001, pp. 591-598, Vol. B57.	
	R125	BETTINETTI, G. et al. "Structure and solid-state chemistry of anhydrous and hydrated crystal forms of the trimethoprim-sulfamethoxypyridazine 1:1 molecular complex" <i>Journal of Pharmaceutical Sciences</i> , April 2000, pp. 478-489, Vol. 89, No. 4.	
	R126	BETTINETTI, G. et al. "Thermal analysis of binary systems of the pharmaceuticals trimethoprim and benzoic acid" <i>Journal of Thermal Analysis</i> , 1983, pp. 285-294, Vol. 28.	
	R127	BETTIS, J. et al. "Biopharmaceutics and dosage form design" <i>Amer. J. Hosp. Pharm.</i> , March 1973, pp. 240-243, Vol. 30.	
	R128	BOLTON, S. et al. "Complexes formed in solution by homologs of caffeine" <i>Journal of the American Pharmaceutical Association</i> , January 1957, pp. 38-41, Vol. XLVI, No. 1.	
	R129	BOND, A. "In situ co-crystallisation as a tool for low-temperature crystal engineering" <i>Chem. Commun.</i> , 2003, pp. 250-251, Vol. 2.	
	R130	BONIN, M. et al. "Urotropin azelate: a rather unwilling co-crystal" <i>Acta Cryst.</i> , 2003, pp. 72-86, Vol. B59.	
	R131	BOSSHARD, C. et al. "Microscopic nonlinearities of two-component organic crystals" <i>J. Opt. Soc. Am. B</i> , November 2001, pp. 1620-1626, Vol. 18, No. 11.	
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	R134	BRIERLEY, C. et al. "Preparation and structure of the 1:2 π -molecular complex of phenothiazine with pyromellitic dianhydride" <i>J. Chem. Phys.</i> , February 1, 1985, pp. 1522-1528, Vol. 82, No. 1.	
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Sheet 21 of 36

Application Number	10/660,202
Filing Date	September 11, 2003
First Named Inventor	Örn Almarsson
Group Art Unit	1617
Examiner Name	Leonard Williams
Attorney Docket Number	TPI-350C1

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	R135	BURGI, H. et al. "Crystallisation of supramolecular materials" <i>Current Opinion in Solid State & Materials Science</i> , 1998, pp. 425-430, Vol. 3.	
	R136	BYRN, S. R. et al. "Solid-state pharmaceutical chemistry" <i>Chem. Mater.</i> , 1994, pp. 1148-1158, Vol. 6.	
	R137	CAIRA, M. "Molecular complexes of sulfonamides. Part 1. 1:1 complexes between sulfadimidine [4-amino-N-(4,6-dimethyl-2-pyrimidinyl) benzenesulfonamide] and 2- and 4-aminobenzoic acids" <i>Journal of Crystallographic and Spectroscopic Research</i> , 1991, pp. 641-648, Vol. 21, No. 5.	
	R138	CAIRA, M. "Molecular complexes of sulfonamides. Part 2. 1:1 complexes between drug molecules: sulfadimidine -acetylsalicylic acid and sulfadimidine-4-aminosalicylic acid" <i>Journal of Crystallographic and Spectroscopic Research</i> , 1992, pp. 193-200, Vol. 22, No. 2.	
	R139	CAIRA, M. "Molecular complexes of sulfonamides. 3. Structure of 5-methoxysulfadiazine (Form II) and its 1:1 complex with acetylsalicylic acid" <i>Journal of Chemical Crystallography</i> , 1994, pp. 695-701, Vol. 24, No. 10.	
	R140	CAIRA, M. et al. "Order-disorder enantiotropy, monotropy, and isostructurality in a tetroxoprim-sulfametrole 1:1 molecular complex: crystallographic and thermal studies" <i>Journal of Pharmaceutical Sciences</i> , November 2003, pp. 2164-2176, Vol. 92, No. 11.	
	R141	CAIRA, M. et al. "Selective formation of hydrogen bonded cocrystals between a sulfonamide and aromatic carboxylic acids in the solid state" <i>J. Chem. Soc. Perkin Trans. 2</i> , 1995, pp. 2213-2216.	
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	R145	CANNON, A. et al. "Noncovalent derivatization: green chemistry applications of crystal engineering" <i>Crystal Growth & Design</i> , 2002, pp. 255-257, Vol. 2, No. 4.	

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	R146	CHINNAKALI, K. <i>et al.</i> "2-aminopyrimidine and <i>p</i> -phenylene-diacetic acid (1:1) co-crystal" <i>Acta Cryst.</i> , 1999, pp. 399-401, Vol. C55.	
	R147	CHOI, C. <i>et al.</i> "Cocrystallization of melaminium levulinate monohydrate" <i>Acta Cryst.</i> , 2004, pp. 0295-0296, Vol. C60.	
	R148	CHOW, Y. P. <i>et al.</i> "Complexation of acetaminophen with methyl xanthines" <i>Journal of Pharmaceutical Sciences</i> , 1972, pp. 1454-1458, Vol. 61.	
	R149	CHRISTIAN, S. <i>et al.</i> "Activity coefficient effects in spectral and solubility studies of molecular complex equilibria" <i>Journal of the American Chemical Society</i> , September 20, 1972, pp. 6861-6862, Vol. 94, No. 19, Communications to the editor.	
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	R151	COPP, S. <i>et al.</i> "Supramolecular chemistry of [Mn(CO) ₃ (μ ₃ -OH)] ₄ : Assembly of a cubic hydrogen-bonded diamondoid network with 1,2-diamineothane" <i>J. Am. Chem. Soc.</i> , 1992, pp. 8719-8720, Vol. 114.	
	R152	CORDI, A. <i>et al.</i> "(S)-Spiro [(1,3-diazacyclopent-1-ene)-5, 2'-(7'-methyl-1',2',3',4'-tetrahydronaphthalene)]: resolution, stereospecific synthesis, and preliminary pharmacological characterization as a partial α-adrenergic agonist" <i>J. Med. Chem.</i> , 1997, pp. 2931-2935, Vol. 40.	
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Sheet 23 of 36

Application Number	10/660,202
Filing Date	September 11, 2003
First Named Inventor	Örn Almarsson
Group Art Unit	1617
Examiner Name	Leonard Williams
Attorney Docket Number	TPI-350C1

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article, (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
	R156	DATTA, S. <i>et al.</i> "Molecular complex formation between riboflavin and salicylate in an aqueous medium" <i>Bull. Chem. Soc. Jpn.</i> , 2003, pp. 1729-1734, Vol. 76.	
	R157	DAVEY, R. J. <i>et al.</i> "Crystal engineering- nucleation, the key step" <i>Cryst. Eng. Comm.</i> , 2002, pp. 257-264, Vol. 4, No. 47.	
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	R160	DESIRAJU, G. <i>et al.</i> "Crystal and co-crystal" <i>Cryst. Eng. Comm.</i> , 2003, pp. 466-467, Vol. 5, No. 82.	
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	R166	EPSTEIN, R. <i>et al.</i> "The x-ray crystal structure of the molecular complex 8-bromo-9-ethyladenine-5-allyl-5-isobutylbarbituric acid" <i>Acta Cryst.</i> , 1976, pp. 2180-2188, Vol. B32.	
Examiner Signature	/Renee Claytor/		Date Considered 09/15/2010

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Application Number	10/660,202
Filing Date	September 11, 2003
First Named Inventor	Örn Almarsson
Group Art Unit	1617
Examiner Name	Leonard Williams
Attorney Docket Number	TPI-350C1

Sheet 24 of 36

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	R167	ETTER, M. "Encoding and decoding hydrogen-bond patterns of organic compounds" <i>Acc. Chem. Res.</i> , 1990, pp. 120-126, Vol. 23.	
	R168	ETTER, M. <i>et al.</i> "Graph-set analysis of hydrogen-bond patterns in organic crystals" <i>Acta Cryst.</i> , 1990, pp. 256-262, Vol. B46.	
	R169	ETTER, M. <i>et al.</i> "Hydrogen bond directed cocrystallization and molecular recognition properties of acyclic imides" <i>J. Am. Chem. Soc.</i> , 1991, pp. 2586-2598, Vol. 113.	
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	R174	FIFER, E. <i>et al.</i> "Fentanyl analogues 3. 2-(1,2,3,4-tetrahydro)-naphthyl substituted 4-anilidopiperidines" <i>Eur. J. Med. Chem.-Chim. Ther.</i> , 1984, pp. 519-524, Vol. 19, No. 6.	
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Examiner Signature	/Renee Clayton/		Date Considered 09/15/2010

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		Filing Date	September 11, 2003
		First Named Inventor	Örn Almarsson
		Group Art Unit	1617
		Examiner Name	Leonard Williams
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		Attorney Docket Number	TPI-350C1

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	R179	GAO, X. <i>et al.</i> "Supramolecular construction of molecular ladders in the solid state" <i>Angew. Chem. Int. Ed.</i> , 2004, pp. 232-236, Vol. 43.	
	R180	GARTLAND, G. L. <i>et al.</i> "Hydrogen bonding NH...O=C of barbiturates: the (1:1) crystal complex of urea and 5,5-diethylbarbituric acid (barbital)" <i>Acta Cryst.</i> , 1974, pp. 980-987, Vol. B30.	
	R181	GHOSH, M. "Structure and conformation of the 1:1 molecular complex sulfaproxyline-caffeine" <i>Acta Cryst.</i> , 1991, pp. 577-580, Vol. C47.	
	R182	GIUSEPPETTI, G. P. <i>et al.</i> "The crystal structure of a sulfamethoxazole-trimethoprim 1:1 molecular compound" <i>Il Farmaco-Ed. Sc.</i> , pp. 138-151, Vol. 35. 1980	
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Application Number	10/660,202
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First Named Inventor	Örn Almarsson
Group Art Unit	1617
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	R189	HENCK, J. <i>et al.</i> "Disappearing and reappearing polymorphs. The benzocaine:picric acid system" <i>J. Am. Chem. Soc.</i> , 2001, pp. 1834-1841, Vol. 123.	
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	R192	HÖGBERG, T. <i>et al.</i> "Crystallographic, theoretical and molecular modelling studies on the conformations of the salicylamide, raclopride, a selective dopamine-D ₂ antagonist" <i>J. Pharm. Pharmacol.</i> , 1987, pp. 787-796, Vol. 39.	
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	R200	ISHIDA, T. <i>et al.</i> "Structural study of histamine H ₂ -receptor antagonists. Five 3-[2-(diamino-methyleneamino)-4-thiazolymethylthio] propionamidine and -amide derivatives" <i>Acta Cryst.</i> , 1989, pp. 505-512, Vol. B45.	
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	R211	KRISHNAMOHAN SHARMA, C. V. <i>et al.</i> "X-ray crystal structure of C ₆ H ₃ (CO ₂ H) ₃ -1,3,5-1.5(4,4'-bipy): a 'super trimesic acid' chicken-wire grid" <i>Chem. Commun.</i> , 1996, pp. 2655-2656.	
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	R214	LEISEROWITZ, L. "Molecular packing modes. Carboxylic acids" <i>Acta Cryst.</i> , 1976, pp. 775-802, Vol. B32.	
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	R217	MATHIAS, J. <i>et al.</i> "Structural preferences of hydrogen-bonded networks in organic solution: the cyclic CA ₃ M ₃ 'rosette'" <i>J. Am. Chem. Soc.</i> , 1994, pp. 4316-4325, Vol. 116.	
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	R220	MARTIN, R. <i>et al.</i> "The caffeine-potassium chlorogenate molecular complex" <i>Phytochemistry</i> , 1987, pp. 273-279, Vol. 26, No. 1.	
	R221	ANDERSON, J. "Constitution of aurous compounds: Gold mirrors" <i>Nature</i> , October 2, 1937, pp. 583-584, Letters to the Editor.	
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Application Number	10/660,202
Filing Date	September 11, 2003
First Named Inventor	Örn Almarsson
Group Art Unit	1617
Examiner Name	Leonard Williams
Attorney Docket Number	TPI-350C1

Sheet	29	of	36
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	R222	ROBBINS, A. H. <i>et al.</i> "The crystal structure of the 1:2 adduct of potassium triiodide and 5,5-diethylbarbituric acid (barbital)" <i>American Crystallographic Association- Series 2, Papers and Abstracts</i> , 1973, p. 87.	
	R223	BEERGES, P. <i>et al.</i> "Phenothiazine tetracyanoethylene" <i>Private Communication</i> , 1994.	
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	R225	CARONNA, T. <i>et al.</i> "Halogen bonding and π - π stacking control reactivity in the solid state" <i>J. Am. Chem. Soc.</i> , 2004, pp. 4500-4501, Vol. 126.	
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	R232	BUZAK, G. <i>et al.</i> "Crystal structure and vibrational spectra of the 1:1 and 1:2 complexes of pyridine betaine with pentachlorophenol" <i>Journal of Molecular Structure</i> , 1997, pp. 143-151, Vol. 436-437.	
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Filing Date	September 11, 2003
First Named Inventor	Örn Almarsson
Group Art Unit	1617
Examiner Name	Leonard Williams
Attorney Docket Number	TPI-350C1

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	R233	TOMURA, M. <i>et al.</i> "One-dimensional zigzag chain structures with intermolecular C-H... π and C-H...O interactions consisted of phthalic acid and pyridine derivatives" <i>Chemistry Letters</i> , 2001, pp. 532-533.	
	R234	ZERKOWSKI, J. <i>et al.</i> "Design of organic structures in the solid state: molecular tapes based on the network of hydrogen bonds present in the cyanuric acid-melamine complex" <i>J. Am. Chem. Soc.</i> , 1994, pp. 2382-2391, Vol. 116.	
	R235	HARKEMA, S. <i>et al.</i> "The crystal structure of urea oxalic acid (2:1)" <i>Acta Cryst.</i> , 1972, pp. 1646-1648, Vol. B28.	
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	R237	DATTA, S. <i>et al.</i> "Crystal structures of drugs: advances in determination, prediction and engineering" <i>Nature</i> , January 2004, pp. 42-57, Vol. 3.	
	R238	AAKERÖY, C. <i>et al.</i> "Charge-assisted hydrogen bonds and halogen-halogen interactions in organic salts: benzylammonium benzoates and pentafluorobenzoates" <i>Structural Chemistry</i> , 1999, pp. 229-242, Vol. 10, No. 3.	
	R239	CHILDS, S. <i>et al.</i> "Crystal engineering approach to forming cocrystals of amine hydrochlorides with organic acids. Molecular complexes of fluoxetine hydrochloride with benzoic, succinic, and fumaric acids" <i>J. Am. Chem. Soc.</i> , 2004, pp. 13335-13342, Vol. 126.	
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	R241	HELFRICH, B. <i>et al.</i> "Polymorphism as an indication of structural versatility (Abstract)" 223 rd ACS National Meeting in Orlando, FL., April 7-11, 2002, published by the American Chemical Society, Washington, D.C.	
	R242	WEBER, E. <i>et al.</i> "Synthesis of new Schiff bases: reaction of monofluorobenzaldehydes with 3-aminosulfonate hydrochloride (Abstract)" 216 th ACS National Meeting in Boston, MA., August 23-27, 1998, published by the American Chemical Society, Washington, D.C.	

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Application Number	10/660,202
Filing Date	September 11, 2003
First Named Inventor	Orn Almarsson
Group Art Unit	1617
Examiner Name	Leonard Williams
Attorney Docket Number	TPI-350C1

Sheet	31	of	36
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	R243	SCARBROUGH, F. <i>et al.</i> "Crystal structure of a complex between lumiflavin and 2,6-diamino-9-ethylpurine: a flavin adenine dinucleotide model exhibiting charge-transfer interactions" <i>Proc. Natl. Acad. Sci. USA</i> , November 1976, pp. 3807-3811, Vol. 73, No. 11.	
	R244	MUNN, R. <i>et al.</i> "A Model for resonance-assisted hydrogen bonding in crystals and its graph set analysis" <i>J. Phys. Chem. A</i> , 2001, pp. 6938-6942, Vol. 105.	
	R245	LYNCH, D. <i>et al.</i> "1:1 Molecular complexes of 4-amino-N-(4,6-dimethylpyrimidin-2-yl) benzene-sulfonamide (sulfamethazine) with indole-2-carboxylic acid and 2,4-dinitrobenzoic acid" <i>Aust. J. Chem.</i> , 2000, pp. 383-387, Vol. 53.	
	R246	AAKERÖY, C. <i>et al.</i> "Solid state, crystal engineering and hydrogen bonds" <i>Comprehensive Coordination Chemistry II</i> (ed. by McCleverty, J. <i>et al.</i>), pp. 679-688, Elsevier Ltd., Oxford, UK.	
	R247	LEVIN, B. <i>et al.</i> "The not-so-trivial synthesis and characterization of heterocyclic boronic acids (Abstract)" 38 th Midwest Regional Meeting of the American Chemical Society in Columbia, MO., November 5-7, 2003, published by the American Chemical Society, Washington, D.C.	
	R248	SMITH, G. <i>et al.</i> "Interactions of aromatic carboxylic acids with quinolin-8-ol (oxine): Synthesis and the crystal structures of the proton-transfer compounds with the nitro-substituted benzoic acids" <i>Aust. J. Chem.</i> , 2001, pp. 171-175, Vol. 54.	
	R249	STALKER, R. <i>et al.</i> "Asymmetric synthesis of two new conformationally constrained lysine derivatives" <i>Tetrahedron</i> , 2002, pp. 4837-4849, Vol. 58.	
	R250	VOET, D. <i>et al.</i> "Barbiturates and adenine derivatives. Molecular structure of a hydrogen-bonded complex" <i>Journal of the American Chemical Society</i> , August 9, 1972, pp. 5888-5891, Vol. 94, No. 16.	
	R251	VISHWESHWAR, P. <i>et al.</i> "Molecular complexes of homologous alkanedicarboxylic acids with isonicotinamide: X-ray crystal structures, hydrogen bond synthon, and melting point alternation" <i>Crystall Growth & Design</i> , 2003, pp. 783-790, Vol. 3, No. 5.	
	R252	LE JEUNNE, C. <i>et al.</i> "Comparative efficacy and safety of calcium carbasalate plus metoclopramide versus ergotamine tartrate plus caffeine in the treatment of acute migraine attacks" <i>Eur. Neurol.</i> , 1999, pp. 37-43, Vol. 41.	
	R253	AAKERÖY, C. <i>et al.</i> "Hydrogen-bonded layers of hydrogen tartrate anions: two-dimensional building blocks for crystal engineering" <i>J. Mater. Chem.</i> , 1993, 1129-1135, Vol. 3, No. 11.	

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	R254	HU, Z. <i>et al.</i> "Separation of 4-aminobenzoic acid by cocrystallization: Crystal structure of the complex of 4-aminobenzoic acid with (2R,3R)-tartaric acid" <i>Journal of Chemical Crystallography</i> , December 2002, pp. 525-529, Vol. 32, No. 12.	
	R255	GUARRERA, D. <i>et al.</i> "Molecular self-assembly in the solid state. The combined use of solid state NMR and differential scanning calorimetry for the determination of phase constitution" <i>Chem. Mater.</i> , 1994, pp. 1293-1296, Vol. 6.	
	R256	DOI, M. <i>et al.</i> "Conformational study of a potent human renin inhibitor: x-ray crystal structure of isopropyl (2R, 3S) -4-cyclohexyl-2-hydroxy-3-[N-[(2R)-2-morpholinocarbonylmethyl]-3-(1-naphthyl) propionyl] -L-histidylamino]butyrate (KRI-1314), a pentapeptide analogue with amino acid sequence corresponding to the cleavage site of angiotensinogen" <i>J. Chem. Soc. Perkin Trans. 1</i> , 1991, pp. 1153-1158.	
	R257	CRIFIELD, A. <i>et al.</i> "Crystal engineering through halogen bonding. 2. Complexes of diacetylene-linked heterocycles with organic iodides" <i>Crystal Growth & Design</i> , 2003, pp. 313-320, Vol. 3, No. 3.	
	R258	AAKERÖY, C. <i>et al.</i> "A versatile route to porous solids: organic-inorganic hybrid materials assembled through hydrogen bonds" <i>Angew. Chem. Int. Ed.</i> , 1999, pp. 1815-1819, Vol. 38, No. 12.	
	R259	SHEFTER, E. <i>et al.</i> , ACS, Abstr. Papers (Summer), 1970, 35, compound name: sulfathiazole-theophylline complex.	
	R260	SHEFTER, E. <i>et al.</i> , ACS, Abstr. Papers (Summer), 1970, 35, compound name: sulfathiazole-sulfanilamide complex.	
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	R263	CALLAHAN, J.C. <i>et al.</i> "Equilibrium moisture content of pharmaceutical excipients" <i>Drug Development and Industrial Pharmacy</i> , 1982, pp. 355-369, Vol. 8, No. 3.	
	R264	DANNAQUI, E. <i>et al.</i> "Acquired itraconazole resistance in <i>Aspergillus fumigatus</i> " <i>Journal of Antimicrobial Chemotherapy</i> , 2001, pp. 333-340, Vol. 47.	

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	R265	DENNING, D. W. <i>et al.</i> "In vitro activity of Saperconazole (R66 905) compared with Amphotericin B and Itraconazole against <i>Aspergillus</i> species" <i>Eur. J. Clin. Microbial. Infect. Dis.</i> , 1990, pp. 693-697, Vol. 9.	
	R267	DRESSMAN, J. B. <i>et al.</i> "Dissolution testing as a prognostic tool for oral drug absorption: immediate release dosage forms" <i>Pharmaceutical Research</i> , 1998, pp. 11-22, Vol. 15, No. 1.	
	R268	EBERT, W. R. "Soft elastic gelatin capsules: a unique dosage form" <i>Pharmaceutical Technology</i> , October 1977, pp. 44-50, Vol. 1, No. 5.	
	R269	GASCON, M. -P. <i>et al.</i> "In vitro forecasting of drugs which may interfere with the biotransformation of midazolam" <i>Eur. J. Clin. Pharmacol.</i> , 1991, pp. 573-578, Vol. 41.	
	R270	HEERES, J. <i>et al.</i> "Antimycotic azoles. 7. Synthesis and antifungal properties of a series of novel triazol-3-ones" <i>J. Med. Chem.</i> , 1984, pp. 894-900, Vol. 27.	
	R271	HONIG, P. K. <i>et al.</i> "Itraconazole affects single-dose Terfenadine pharmacokinetics and cardiac repolarization pharmacodynamics" <i>J. Clin. Pharmacol.</i> , 1993, pp. 1201-1206, Vol. 33.	
	R272	IMAL, T. <i>et al.</i> "Successful treatment of cerebral Aspergillosis with a high oral dose of Itraconazole after excisional surgery" <i>Internal Medicine</i> , October 1999, pp. 829-832, Vol. 38, No. 10.	
	R273	KOVACS, J. <i>et al.</i> "New type of bridged monoamino- β -cyclodextrins" <i>Journal of Inclusion Phenomena and Molecular Recognition in Chemistry</i> , 1996, pp. 53-56, Vol. 25.	
	R274	LAVRIJSEN, A. P. M. <i>et al.</i> "Hepatic injury associated with itraconazole" <i>The Lancet</i> , July 25, 1992, pp. 251-252, Vol. 340.	
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	R276	NOMEIR, A. A. <i>et al.</i> "Pharmacokinetics of SCH 56592, a new azole broad-spectrum antifungal agent, in mice, rats, rabbits, dogs, and cynomolgus monkeys" <i>Antimicrobial Agents and Chemotherapy</i> , March 2000, pp. 727-731, Vol. 44, No. 3.	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Application Number	10/660,202	
			Filing Date	September 11, 2003	
			First Named Inventor	Örn Almarsson	
			Group Art Unit	1617	
			Examiner Name	Leonard Williams	
Sheet	34	of	36	Attorney Docket Number	TPI-350C1

NON PATENT LITERATURE DOCUMENTS			
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	R277	ODDS, F. C. "Antifungal activity of saperconazole (R 66 905) <i>in vitro</i> " <i>Journal of Antimicrobial Chemotherapy</i> , 1989, pp. 533-537, Vol. 24.	
	R278	REMENAR, J. F. <i>et al.</i> "Crystal engineering of novel cocrystals of a triazole drug with 1,4-dicarboxylic acids" <i>J. Am. Chem. Soc.</i> , 2003, pp. 8456-8457, Vol. 125.	
	R279	SAKSENA, A. K. <i>et al.</i> "Advances in the chemistry of novel broad-spectrum orally active azole antifungals: recent studies leading to the discovery of SCH 56592" in <i>Advances in the Chemistry of Novel Broad-Spectrum Orally Active Azole Antifungals</i> (Royal Soc. Chem., Cambridge), 1997, pp. 180-199.	
	R280	SAKSENA, A. K. <i>et al.</i> "Concise asymmetric routes to 2,2,4-trisubstituted tetrahydrofurans via chiral titanium imide enolates: key intermediates towards synthesis of highly active azole antifungals SCH 51048 and SCH 56592" <i>Tetrahedron Letters</i> , 1996, pp. 5657-5660, Vol. 37, No. 32.	
	R281	HEPPERLE, M. <i>et al.</i> "Mono N-arylation of piperazine(III): metal-catalyzed N-arylation and its application to the novel preparations of the antifungal posaconazole and its advanced intermediate" <i>Tetrahedron Letters</i> , 2002, pp. 3359-3363, Vol. 43.	
	R282	CUTSEM, J. V. <i>et al.</i> "Oral and parenteral therapy with saperconazole (R 66905) of invasive aspergillosis in normal and immunocompromised animals" <i>Antimicrobial Agents and Chemotherapy</i> , December 1989, pp. 2063-2068, Vol. 33, No. 12.	
	R283	VILLA, L. A. <i>et al.</i> "Central nervous system paracoccidioidomycosis. Report of a case successfully treated with itraconazole" <i>Rev. Inst. Med. Trop. S. Paulo</i> , July-August, 2000, pp. 231-234, Vol. 42, No. 4.	
	R284	WEST, A. R., "Solid Solutions" In: <i>Solid State Chemistry and its Applications</i> , 1988, p. 358, p. 365, Wiley, NY.	
	R285	ARONHIME, J. <i>et al.</i> "Crystalline forms of pharmaceuticals and characterization thereof", Oral Presentation, March 8, 2005, USPTO, Alexandria, VA.	
	R286	DESIRAJU, G. R. "Chemistry beyond the molecule" <i>Nature</i> , July 26, 2001, pp. 397-400, Vol. 412.	
	R287	GAVEZZOTTI, A. "Are crystal structures predictable?" <i>Acc. Chem. Res.</i> , 1994, pp. 309-314, Vol. 27.	

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		Group Art Unit	1617
		Examiner Name	Leonard Williams
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		Attorney Docket Number	TPI-350C1

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	R288	Physician's Desk Reference, 56 th Ed., pp. 1800-1804, 2002.	
	R289	KIM, H. et al. "High-performance liquid chromatographic analysis of the anti-fungal agent SCH 56592 in dog serum" <i>Journal of Chromatography B</i> , 2000, pp. 93-98, Vol. 738.	
	R290	VIPPAGUNTA, S. R. et al. "Crystalline solids" <i>Advanced Drug Delivery Reviews</i> , 2001, pp. 3-26, Vol. 48.	
	R291	MCCRONE, W. C. "Polymorphism", In: <i>The Physics and Chemistry of the Organic Solid State</i> , Vol. II, FOX, D. et al. (eds.), 1965, pp. 725-767, Interscience, New York.	
	R292	LEGER, J.M. et al. "Crystal Structure of the 1:1 Sulfacetamide-Caffeine Complex" <i>Acta Cryst.</i> , 1977, pp. 1455-1459, Vol. B33.	X
	R293	SIMONOV, Y. et al. "Structure of the caffeine-copper(II) acetate additional compound", <i>Izvestiya Akademii Nauk Moldavskoi SSR, Seriya Fiziko-Tekhnicheskikh i Matematicheskikh Nauk</i> , 1972, Vol. 3, pp. 83-84, abstract only.	
	R294	WEISSBUCH, I. et al. "Understanding and control of nucleation, growth, habit, dissolution and structure of two- and three-dimensional crystals using 'tailor-made' auxiliaries" <i>Acta Cryst.</i> , 1995, B51:115-148.	
	R295	FAUGHT, E. et al. "Topiramate Dose-Ranging Trial in Refractory Partial Epilepsy", <i>Amer. Epilepsy Soc. Proc.</i> , (1995), pg. 33, Vol. 36, Supp. 4.	
	R296	PRIVITERA, M. et al. "Dose-Ranging Trial with Higher Doses of Topiramate in Patients with Resistant Partial Seizures", <i>Amer. Epilepsy Soc. Proc.</i> , 1995, pg. 33, Vol. 36, Supp. 4.	
	R297	SACHDEO, S. K. et al. "Topiramate: Double-Blind Trial as Monotherapy", <i>Amer. Epilepsy Soc. Proc.</i> , 1995, pg. 33, Vol. 36, Supp. 4.	
	R298	Press Release. "Clinical Development of Topiramate for Obesity Extended to Simplify Dosing, Improve Tolerability". http://www.orthomcneil.com/news/article020402.html (February 4, 2002), N.J.	X

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	R299	ROSENFELD, W. E. "Topiramate: A Review of Preclinical, Pharmacokinetic, and Clinical Data", <i>Clinical Therapeutics</i> , 1997, pp. 1294-1308, Vol. 19, No. 6.	
	R300	Physician's Desk Reference, 56 th Edition, 2002, pp. 2590-2595.	
	R301	DATABASE WPI, Section Ch, Week 197936, Derwent Publishing Ltd., London, Great Britain, Class B02, AN 1979-65538B, XP002282989 and JP 54 095589A (Sumitomo) 1979 Abstract.	
	R302	FUNG <i>et al.</i> , "Solvent Effects on Comparative Dissolution of Pharmaceutical Solvates," <i>Chem. Farm. Bull.</i> , 22(2), pgs. 454-458 (1974).	
	R303	RUBINO <i>et al.</i> , "Influence of Solvent Composition on the Solubilities and Solid-State Properties of the Sodium Salts of Some Drugs", <i>Int. J. of Pharma</i> , 65, pgs. 141-145 (1990).	
	R304	FITZGERALD, G. A. "The Coxibs, Selective Inhibitors of Cyclooxygenase-2", <i>New England Journal of Medicine</i> , Vol. 345, No. 6, August 9, 2001.	
	R305		
	R306		
	R307		
	R308		
	R309		

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